

**DEPARTMENT OF TRANSPORTATION****DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 50.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001718**Date Inspected:** 26-Jan-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Jiangyin**Location:** Chang xing Dao, Shanghai**Quality Control Contact:** Mr. Don Walton**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coating Inspection**Bridge No:** 34-0006**Component:** See below**Bid Item:** 77, 78, 79**Lot No:** B #204**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE II coating inspector, Mr. Baskar Govindarajan arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE II coating inspector observed the following:

1. An inspection was requested for OBG Segment 8CW for internal entire floor preblast surface inspection vide notification no. 2568. This Caltrans inspector observed, ABF Inspector Mr. Sun and Mr. Shi stone marking arc strike, left out tacking etc. for Grinding and Magnetic particle testing (MT). Mr. Tim McIandon, Mr. Subasis bera and Mr. Vibin from Caltrans were present during this inspection for checking the same on entire floor. Ambient conditions were monitored and found to be within the parameters of contract documents. ZPMC needs to reoffer the entire floor for visual inspection before going for Blasting works.

2. An inspection was requested for surface status inspection prior to fix the splices between 5BE and 5CE, 5AE and 5BE at Trial assembly area, request no. 2570. This Caltrans inspector observed, ABF Inspector Mr. Shu stone and Mr. Sun performing primer application inspection of the specified areas. Thye same was found rejected by ABF for high DFT, sagging of Interzinc 22 and embodiment of paints with grits. Ambient conditions were monitored and found to be 13.2 deg. above dew point and the relative humidity found to be 40.5% inside the specified area which is found to be within the parameters of contract documents. . International protective coating technical service representative Mr. Peng Zi li was in attendance during the inspection process.

3. An inspection was requested for surface preparation inspection for OBG connection weld seam internal sealing

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## SOURCE INSPECTION REPORT

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part between 5AW and 5BW at Trial assembly area, request no. 2571. This Caltrans inspector observed, ABF Inspector Mr. Wei performing Blasting inspection of the specified areas. The same was found accepted by ABF after ZPMC attending the marked points for feathering edges and reblasting the grind areas. Surface profile measured by ZPMC by Coarse grain method found to be 78 to 84 microns which is acceptable as per contract documents. Ambient conditions were monitored and found to be 13.2 deg. above dew point and the relative humidity found to be 40.5% inside the specified area which is found to be within the parameters of contract documents. . International protective coating technical service representative Mr. Peng Zi li was in attendance during the inspection process.

### Summary of Conversations:

No applicable conversations

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Mr. Skyler Guest (15000422360), who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Baskar, Govindarajan	Quality Assurance Inspector
<b>Reviewed By:</b>	Clifford, William	QA Reviewer

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